



Barmak Sani, Reg. No. 45,068, Tel. (650) 326-2400
 Attorney Docket No.: 018865-015200US
 Title: Optimized Trench Power MOSFET with Integrated Schottky Diode
 Applicant: Daniel Calafut et al.
 Appln. No.: 10/801,499
 Replacement sheet 1 of 6

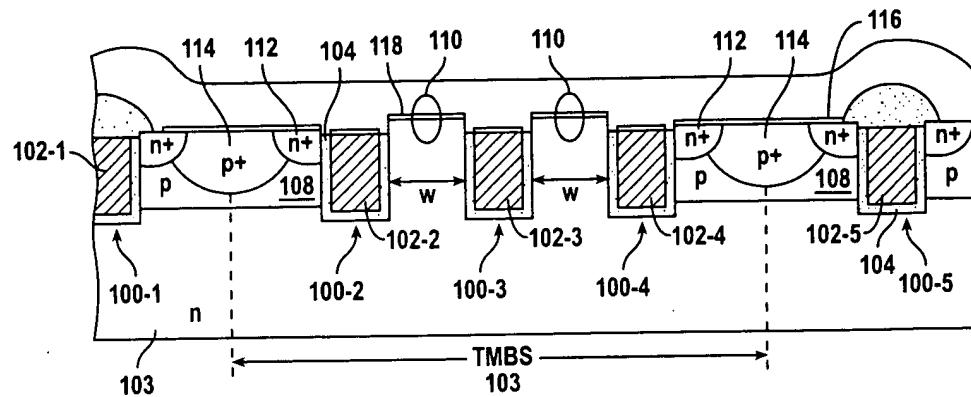


FIG. 1

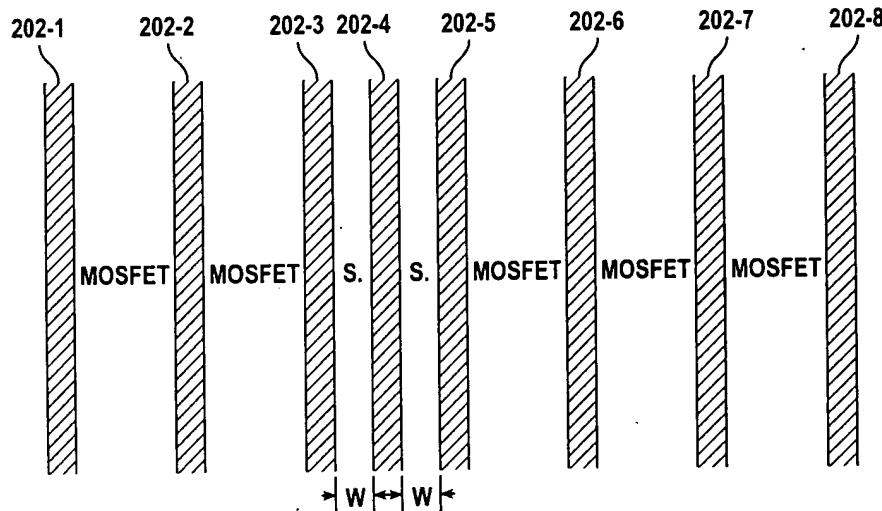


FIG. 2

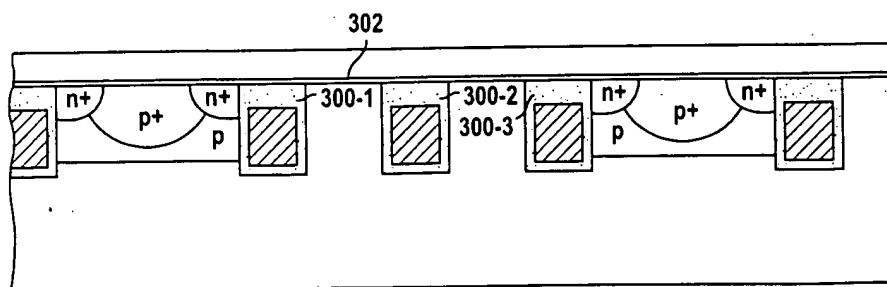


FIG. 3

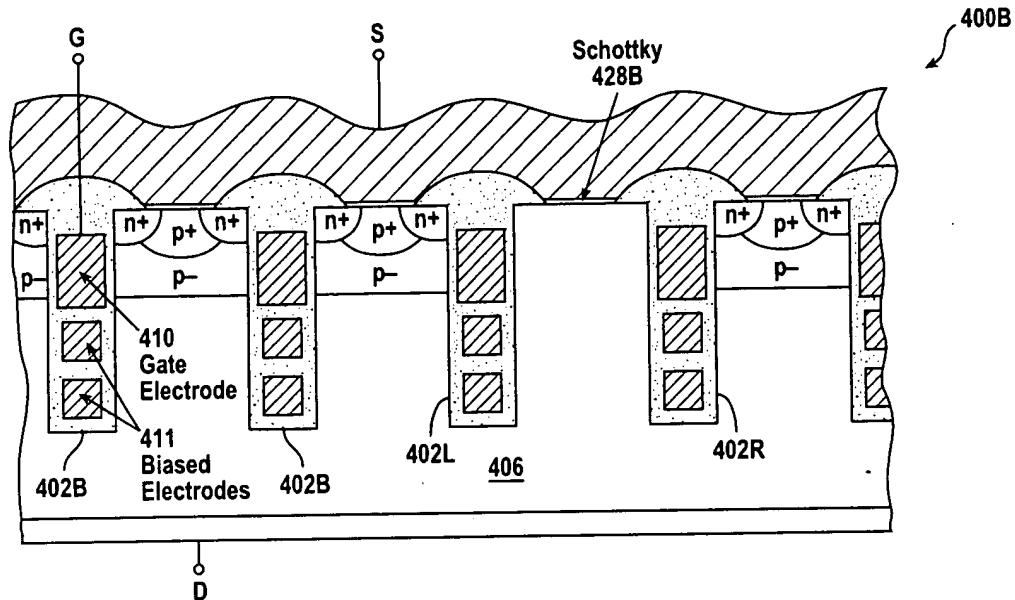


FIG. 4A

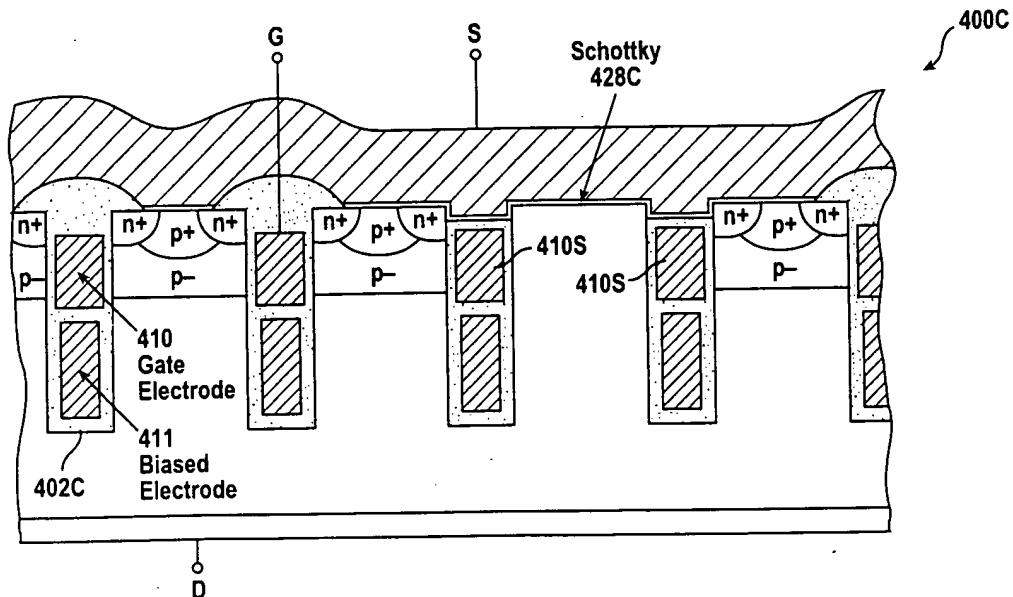


FIG. 4B

+

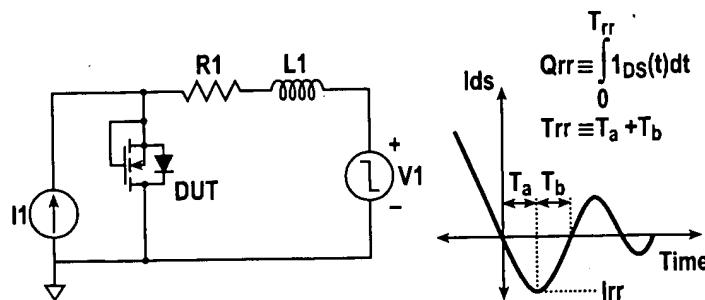


FIG. 5

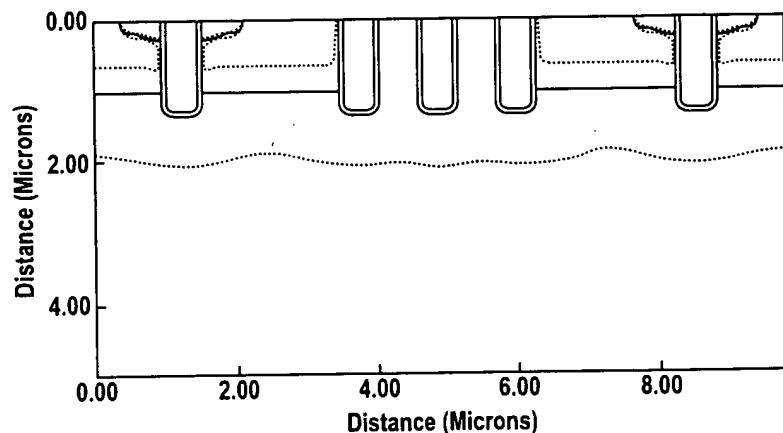


FIG. 6

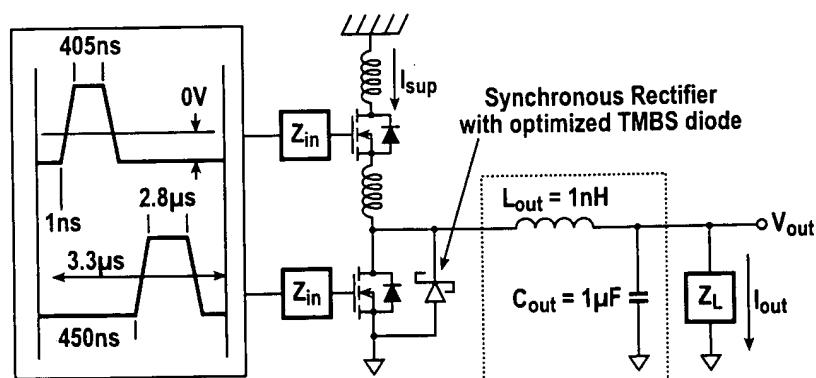


FIG. 7

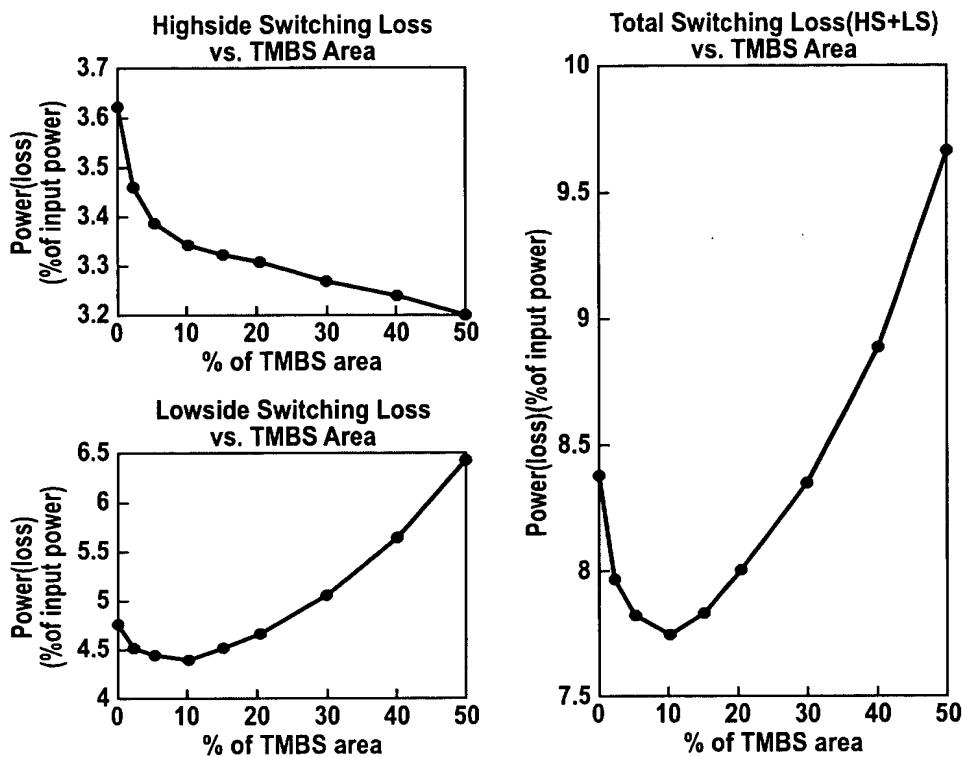


FIG. 8

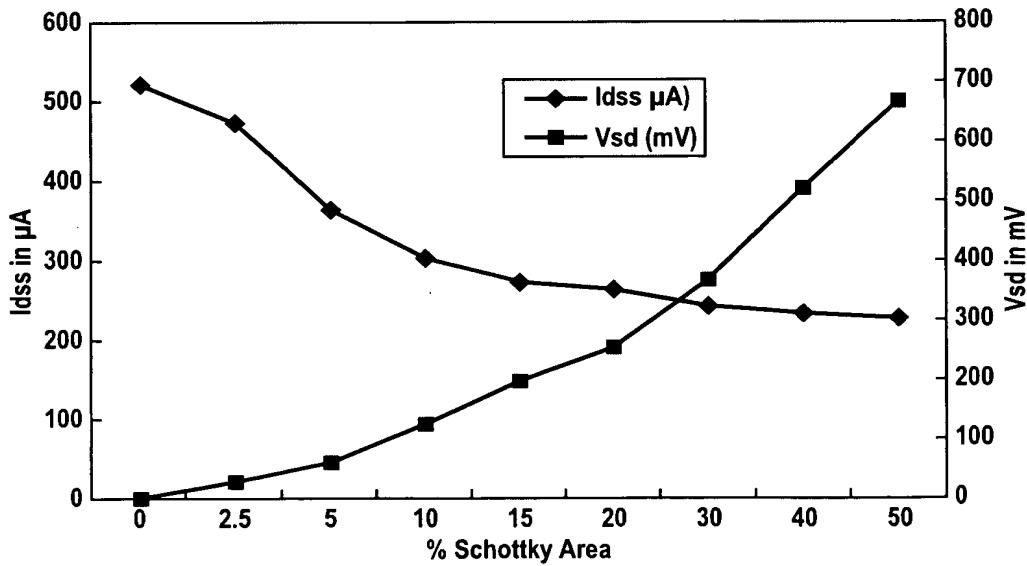


FIG. 9

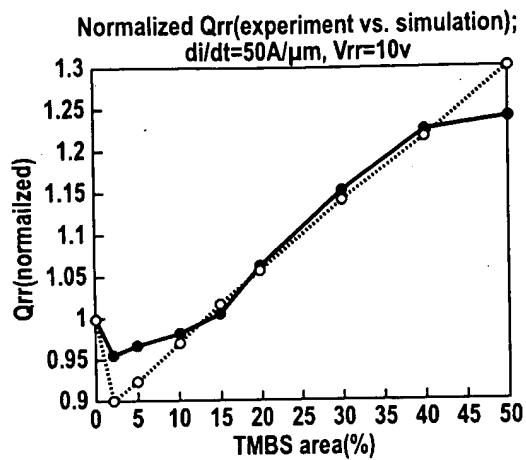


FIG. 10

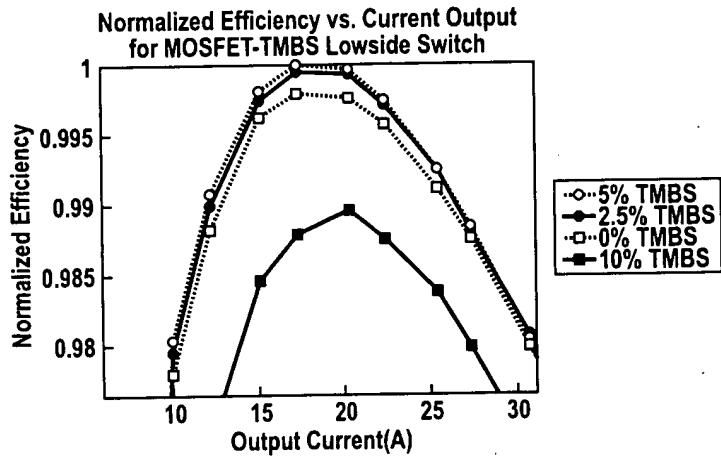


FIG. 11

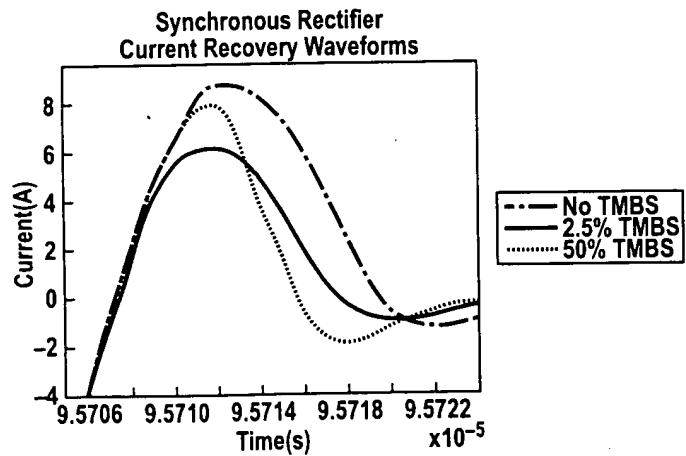


FIG. 12

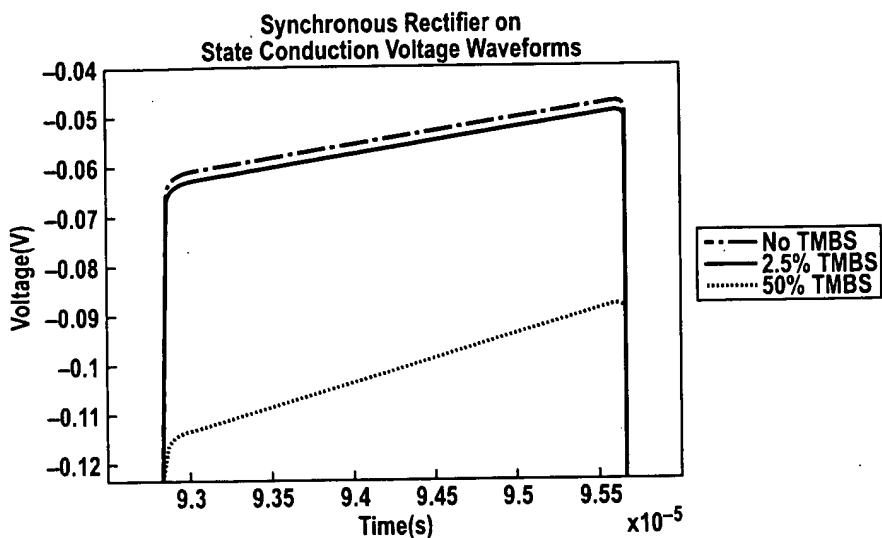


FIG. 13

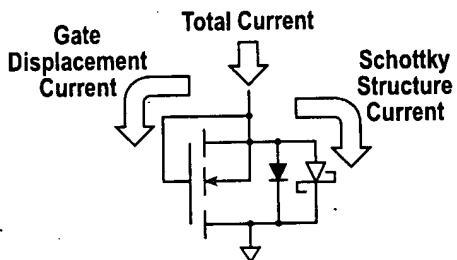


FIG. 14

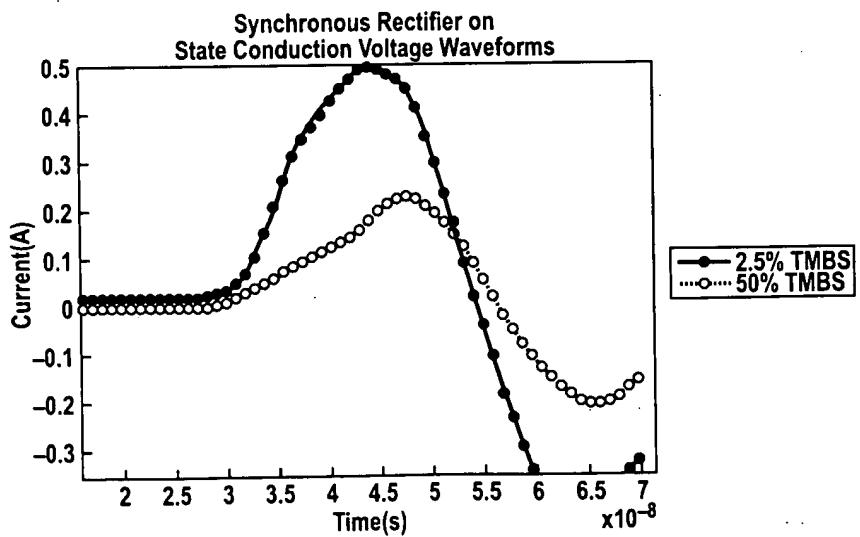


FIG. 15